

ABSTRACT OF THE DISCLOSURE

5 Recombinant protein complexes having human Factor
VIII:C activity are expressed in a eukaryotic host cell by
transforming the host cell with first and second expression
cassettes encoding a first polypeptide substantially homologous
to human Factor VIII:C A domain and a second polypeptide sub-
10 stantially homologous to human Factor VIII:C C domain, respect-
ively. In the present invention, the first polypeptide may be
extended having at its C-terminal a human Factor VIII:C B
domain N-terminal peptide, a polypeptide spacer of 3-40 amino
acids, and a human Factor VIII:C B domain C-terminal peptide.
15 Expression of the second polypeptide is improved by employing
an α_1 -antitrypsin signal sequence.

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